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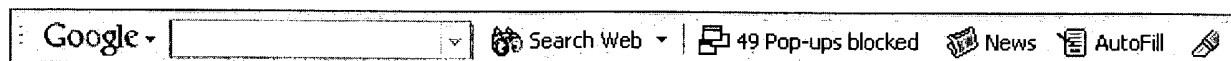
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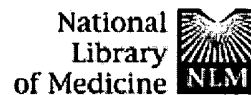
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#21 Search (berberine) and (glycine soja sterols)	13:11:43	<u>0</u>
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7-RUTINOSIDE/CN			
E7	REGISTRY	1	5,7-DIHYDROXYCOUMARIN/CN
E8	REGISTRY	1	5,7-DIHYDROXYFLAVANONE/CN
E9	REGISTRY	1	5,7-DIHYDROXYFLAVILIUM/CN
E10	REGISTRY	1	5,7-DIHYDROXYFLAVONE/CN
E11	REGISTRY	1	5,7-DIHYDROXYFLAVYLIUM CHLORIDE/CN
E12	REGISTRY	1	
5,7-DIHYDROXYIMIDAZO(1,2-A)PYRIMIDINE/CN			

=> s e10

L1 1 "5,7-DIHYDROXYFLAVONE"/CN

=> d l1 cn

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 CN 4H-1-Benzopyran-4-one, 5,7-dihydroxy-2-phenyl- (9CI) (CA INDEX
 NAME)
 OTHER CA INDEX NAMES:
 CN Chrysin (6CI)
 CN Flavone, 5,7-dihydroxy- (7CI, 8CI)
 OTHER NAMES:
 CN **5,7-Dihydroxyflavone**
 CN NSC 407436

Connecting via winsock to STN

Welcome to STN International! Enter x:x
LOGIND:SSSPCAL653adk
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 2 Ask CAS for self-help around the clock
NEWS 3 End of the year closing
NEWS 4 Polymer links for the POLYSINK command completed in Registry
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent
SOIS in Caplus
NEWS 6 May 27 Caplus super roles and document types searchable in Registry
NEWS 7 Jun 27 Caplus super roles and document types searchable in Registry
NEWS 8 Jun 28 ANTI-MALWARE PROTECTION added to CASREACT
NEWS 9 Jul 12 BEILSTEIN enhanced with new display and select options,
and WATER from CSA now available on STN(R)
NEWS 10 Jul 30 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS
NEWS 11 Aug 02 IFIPAT/IFIPUB/IFIPDB reloaded with new search and display
fields
NEWS 12 Aug 02 Caplus and CA patent records enhanced with European and Japan
Patent Office Classifications
NEWS 13 Aug 02 Patent Office update to be held August 22 in conjunction with the
228th ACS Meeting
NEWS 14 Aug 02 The Analysis Edition of STN Express with Discoveri
(Version 7.01 for Windows) now available
NEWS 15 Aug 04 Pricing for the Save Answers for SciFinder Wizard within
STN Express with Discoveri will change September 1, 2004

NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.01c(JP)
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN OPERATING HOURS Plus Help Desk Availability
NEWS LOGIN WELCOME BANNER and Network Information
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
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=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL
FULL ESTIMATED COST 0.21 SESSION 0.21

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DICTIONARY FILE UPDATES: 24 AUG 2004 HIGHEST RN 732209-96-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.
Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file <http://www.cas.org/online/obss/registclass.html>

=> e 000153-18-4/rn
E# FILE FREQUENCY TERM
***** START OF FIELD *****
E3 REGISTRY 0 --> 000153-18-4/rn
E4 REGISTRY 1 100-00-5/rn
E5 REGISTRY 1 100-01-6/rn
E6 REGISTRY 1 100-02-7/rn
E7 REGISTRY 1 100-03-8/rn
E8 REGISTRY 1 100-04-9/rn
E9 REGISTRY 1 100-05-0/rn
E10 REGISTRY 1 100-06-1/rn
E11 REGISTRY 1 100-07-2/rn
E12 REGISTRY 1 100-08-4/rn
=> e 000153-18-4/rn
E# FILE FREQUENCY TERM
***** START OF FIELD *****
E3 REGISTRY 0 --> 000153-18-4/rn
E4 REGISTRY 1 100-00-5/rn
E5 REGISTRY 1 100-01-6/rn
E6 REGISTRY 1 100-02-7/rn
E7 REGISTRY 1 100-03-8/rn
E8 REGISTRY 1 100-04-9/rn
E9 REGISTRY 1 100-05-0/rn
E10 REGISTRY 1 100-06-1/rn
E11 REGISTRY 1 100-07-2/rn
E12 REGISTRY 1 100-08-4/rn
=> s 000153-18-4/rn
L1 0 000153-18-4/rn
=> e rutin/cn
E# FILE FREQUENCY TERM
E1 REGISTRY 1 RUTILE, ZINC WHITE/CN
E2 REGISTRY 1 RUTILE, ZIRCONIAN/CN
E3 REGISTRY 1 --> RUTIN/CN
E4 REGISTRY 1 RUTIN A-RHANNOSIDASE/CN
E5 REGISTRY 1 RUTIN ACETONIDE/CN
E6 REGISTRY 1 RUTIN AD-AMT/CN
E7 REGISTRY 1 RUTIN AD-AMT ETHER/CN
E8 REGISTRY 1 RUTIN GLUCOSIDE/CN
E9 REGISTRY 1 RUTIN GLYCOSIDE/CN
E10 REGISTRY 1 RUTIN HYDRATE/CN
E11 REGISTRY 1 RUTIN S/CN
E12 REGISTRY 1 RUTIN SODIUM SULFATE/CN
=> s e3
L2 1 RUTIN/CN
=> d 12 cn
L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
CN 4h-1-Benzopyran-4-one, 3-[[6-o-(6-deoxy- α -L-mannopyranosyl)- β -D-
glucopyranosyl]oxy]-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy- (9CI) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 3,3',4',5,5',7-hexahydroxy-, (6-O- α -L-rhamnosyl)- β -D-
glucoside (9CI)
CN Flavanone, 3,3',4',5,5',7-hexahydroxy-, (6-O- α -L-rhamnosyl)- β -D-
glucoside (9CI)
CN Rutin (8CI)
OTHER NAMES:
CN 3,3',4',5,7-Pentahydroxyflavone 3-O-rutinoside
CN 3,3',4',5,7-Pentahydroxyflavone 3-rutinoside
CN 3-Rutinosylquercetin
CN 5,7,3',4'-Tetrahydroxyflavonol-3-O-rutinoside
CN Birutan
CN C.I. 75730
CN Eriopin
CN Eriopigment
CN Globularicitrin
CN Ilixanthin
CN Melin
CN Myrticlorin
CN Myrticlorin

[illegible]

AUTHOR(S):
buds with membranes
Bossonne, P.; Heintz, O.; Fauvel, E.; Baron, D.:

Accession#	Accession	Frequency	Term
E1	REGISTRY	1	BERBERIN SULFATE/CN
E2	REGISTRY	1	BERBERIN-8-ONE/CN
E3	REGISTRY	1	BERBERINE/CN
E4	REGISTRY	1	BERBERINE 5,5 HYDRATE/CN
E5	REGISTRY	1	BERBERINE ACETATE/CN
E6	REGISTRY	1	BERBERINE BISULFATE/CN
E7	REGISTRY	1	BERBERINE SULFATE/CN
E8	REGISTRY	1	BERBERINE BRIDGE ENZYME (ARABIDOPSIS THALIANA CLONE RAF109-37-106 (R18858) GENE AT5G64440)/CN
E9	REGISTRY	1	BERBERINE BRIDGE ENZYME (ARABIDOPSIS THALIANA GENE AT2G34790)/CN
E10	REGISTRY	1	BERBERINE BRIDGE ENZYME (ARABIDOPSIS THALIANA GENE AT2G34810)/CN
E11	REGISTRY	1	OP11 PRECURSOR REDUCED/CN
E12	REGISTRY	1	BERBERINE BRIDGE ENZYME-LIKE PROTEIN (ARABIDOPSIS THALIANA GENE T13K14.20)/CN

#	e Registry/ FILE	FREQUENCY	TERM
1	REGISTRY	1	CHRYSLIN-8-C-B-D-GLUCOSIDE/CN
2	REGISTRY	1	CHRYSLIN-9-OH/D/CN
3	REGISTRY	0	CHRYSLINE/CN
4	REGISTRY	0 -->	CHRYSTIANE/CN
5	REGISTRY	1	CHRYSALANDICIN/CN
6	REGISTRY	1	CHRYSO-GT/CN
7	REGISTRY	1	CHRYSOPHAN SL-1/CN
8	REGISTRY	1	CHRYSOPHAN SL-2/CN
9	REGISTRY	1	CHRYSOPHAN SL-3/CN
10	REGISTRY	1	CHRYSOPHAN-FB/CN
11	REGISTRY	1	CHRYSOPHAN-SL-1 ACETATE/CN
12	REGISTRY	1	CHRYSOPHAN-SL-1 HYDROXY-/CN

CORPORATE SOURCE: Mariotte, A.-M.; Debouzy, J.-C., département de biophysique, CRSSA, La Tronche, 38702, Fr.

SOURCE: Bollettino Chimico Farmaceutico (1994), 133(6), 401-6

JOURNAL: BCPAAI; ISSN: 0006-6648

LANGUAGE: English

ABSTRACT: The interactions between (1*i*,*i*-Me-2-propen-1-yl)chrysrine (8CC), a semisynthetic product extracted from the plane-tree buds, and membranes were studied by NMR using model and natural phospholipids. The results show that the membrane of L1:1 (the ratio of the amount of the precursor) methyl ester of the lipid acyl chains where methylene groups are located next to the carbonyl group of the lipid acyl chain, have more pronounced detergent effect than those observed. Higher amounts of 8CC induce a detergent effect without any ionophoric properties.

==> d 15 2-13 ibib

15 ANSWER 2 OF 13
 CAPLUS. COPYRIGHT 2004 ACS ON STN
 1992:508150 CAPLUS FULL-text
 117:108150
 Flavonoids from polygonum cognatum
 Title: (S)
 Author: Kaya, A. / Univ. Istanbul, FacPharm., Istanbul, Turk.
 Corporate Source: Fioterapia (1992) 63(1), 87
 Source: Fioterapia (1992) 63(1), 87
 CODEN: FTRPAE; ISSN: 0367-326X
 D01111-1
 Document Type:
 Language:

CAPLUS. COPYRIGHT 2004. ACS on STM
1987; 373705 CAPLUS FULL-TEXT
107115705 CAPLUS FULL-TEXT
newest. *Journal of trihydroxyphenylacetate*
newest. *A new route to dihydroxyflavones*
Chrysine, acetate, (N).
Lab. Chim. Org. Nat. Super. Chim., Rennes,
37500, Fr.
CODEN: JETLSS; 1986; 27(45), 5503-4
CODEN: JETLSS; 1986; 27(45), 5503-4

DOCUMENT TYPE: Journal
LANGUAGE: French
OTHER SOURCE(S): CASREACT 107:175705

L5 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2004 ACS ON STN
ACCESSION NUMBER: 1987-185322 CAPLUS Full-text
DOCUMENT NUMBER: 106-185322
TITLE: Inhibited fluorescence with deactivation of highly

AUTHOR(S): Skvortsov, V. I.; Afimov, M. V.
CORPORATE SOURCE: Odtd. Inst. Khim. Fiz., Chernogolovka, USSR
EDITOR: Doklady Akademii Nauk SSSR (1986), 291(5), 1166-9
LANGUAGE: [Phys. Chem.]
CODEN: DANKAS ISSN: 0002-3264

DOCUMENT TYPE:
LANGUAGE:

ANISWER 5 OF 13
ACCESSION NUMBER: 1970.402140 CAPLUS FULL-TEXT
DOCUMENT NUMBER: 73.20140
TITLE: Effect of the intensity of exciting light on the
effect of concentration of impurity molecules in
impurity molecules in naphthalene crystals
Primačev, V. R.; Faidys, A. N.
AUTHOR(S):
ORIGINATE SOURCE: USSR Akademi Nauk SSSR, Seriya Fizicheskaya
SOURCE: (1970), 34(3), 582-4

DOCUMENT TYPE:
JOURNAL
LANGUAGE:
RUSSIAN
CODEN: IANFAY; ISSN: 0307-6783

CAPLUS COPYRIGHT 2004 ACS on STM
 1969:17336 CAPLUS FULL-TEXT
 70:17336
 DOCUMENT NUMBER:
 TITLE:
 ISABIANINE, an aglycone, pinocembrine, and
 isabianin in *Populus nigra* var. *italica* buds
 Egger, Kurt; Tissot, Michel
 Lab. Physiol. Vég., Fac. Sci. Grenoble,
 France
 CORPORATE SOURCE:
 COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES
 SCIENCES NATURELLES (1968), 267(16), 1329-32
 CODEN: CRNDAT; ISSN: 0567-655X
 DOCUMENT TYPE:
 LANGUAGE:

Q5 ANSWER 7 OF 13
CAPLUS: CAPSIGHT 2004 ACS ON STN
ACCESSION NUMBER: 1966; 468869 CAPLUS FULLTEXT
DOCUMENT NUMBER: 63; 688889
ORIGINAL REFERENCE NO.: 63; 12853h, 12854a-c
TITLE: suitability of Fluhyzon as a separation solvent in the
gas chromatographic analysis of mixtures of aromatic
Hilbrand, Guenter; Leschner, Ortwin
VEB Hydriewerk Zeitz, Germany
Chemische Technik (Leipzig, Germany) (1966), 18(7),
424-6
CODEN: CHTEAA; ISSN: 0045-6519
LANGUAGE: German

15 ANSWER 8 OF 13 CAPLUS 847V14 ACS ON STN
1964 847V14 CAPLUS Full-text
ACCESSION NUMBER: 60:84714
DOCUMENT NUMBER: 60:84714
ORIGINAL REFERENCE NO.: 60:14875a-c
TITLE: Isolation and identification of 3,5,7-
trinitrophenylammonium (Gonnet) from
Villanueva, V.S., Bogdanovsky, D.; Barbier, M.;
Gonnet, M.; Lavie, P.
AUTHOR(S): Ann. Chim. Substances Nat., Gif-sur-Yvette, Fr.
CORPORATE SOURCE: Ann. Inst. Pasteur (1964), 106(2), 292-302
SOURCE: TYPE: Unavailable
LANGUAGE: Unavailable

15 ANSWER OF 13
CAPLUS_COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:
1960:54052 CAPLUS FULL-TEXT
DOCUMENT NUMBER:
54:54052
ORIGINAL REFERENCE NO.:
54:105162-h
TITLE:
Infrared absorption of some hydroxy flavone
AUTHOR(S):
HENTY, LUCIEN; WOLHO, DARIUS
CORPORATE SOURCE:
Fac. Sci., Lyon, FR.
COLL. INTERN. CENTRE NATL. RECHERCHE SCI. (PARIS)
(1957); VOLUME DATE 1955-1957, NO. 64, 341-352.
JOURNAL
DOCUMENT TYPE:
JOURNAL

LANGUAGE:	Unavailable
ANSWER 10 OF 13	CAPLUS COPYRIGHT 2004 ACS on SYN
ACCESSION NUMBER:	1958.18654
DOCUMENT NUMBER:	52.18654
DESCRIPTOR:	52.18654
REFERENCE NO.:	52.18654
TITLE:	Chrysalis, the sapogenin of bolichandrone
AUTHORS (3):	Chaicaita
CORPORATE SOURCE:	Kurt, Chem. Lab., Poona, India
DATE:	1958
CODE:	NATWIS:Schatten (1955), 42,
LANGUAGE:	English
DOCUMENT TYPE:	Code: NATWAY: ISSN: 0028-1042

15 ANSWER 11 OF 13
CAPLUS. COPYRIGHT 2004 ACS on STN
1942; 345753 CAPLUS Full-text
36; 345753
35; 35747c-d
ORIGINAL REFERENCE NO.:
Barre, Roger
AUTHOR(S):
REVISED: 1942
SOURCE: Revue canadienne de biologie (1942), 1, 485-90
CODEN: RCBZAS; ISSN: 0035-0915
UNAVAILABLE
DOCUMENT TYPE:
LANGUAGE:

15 ANSWER ID OF 13
CAPLUS. COPYRIGHT 2004 ACS on STN
1977-5204 CAPLUS Full-Text
DOCUMENT NUMBER:
21-50679
REFERENCE NO.:
TITLE: The Composition and chemical
and their synthesis
Angewandte Chemie (1926), 39, 997-9
CODEN: ANGEAD; ISSN: 0044-8249
UNAVAILABLE
DOCUMENT TYPE:
LANGUAGE:

15. ANSWER 13 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
 1927:5203 CAPLUS FULL-text
 21:5203
 ORIGINAL REFERENCE NO.: 21:646f-g
 TITLE: The composition and chemical structure of lubricants
 and their synthesis
 AUTHOR(S): Spilker, A.

SOURCE: Brennstoff-Chemie (1976), 7, 261-4
CODEN BRCHAM; ISSN: 0006-9620
DOCUMENT TYPE: Unavailable
LANGUAGE: Unavailable

=> FILE STNGUIDE COST IN U.S. DOLLARS SINCE FILE ENTRY 18.41 TOTAL SESSION 41.42
FULL ESTIMATED COST
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY 0.70 TOTAL SESSION 41.42
CA SUBSCRIBER PRICE SINCE FILE ENTRY 0.70 TOTAL SESSION 41.42

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LAST RELEASED: Aug 20, 2004 (20040820/UP).

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FULL ESTIMATED COST
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY 0.00 TOTAL SESSION 41.66
CA SUBSCRIBER PRICE SINCE FILE ENTRY 0.00 TOTAL SESSION 41.66

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STRUCTURE FILE UPDATES: 24 AUG 2004 HIGHEST RN 732209-96-0
DICTIONARY FILE UPDATES: 24 AUG 2004 HIGHEST RN 732209-96-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more
to the file summary sheet on the web at:
<http://www.cas.org/online/DBSS/registrvss.htm>

=> e glycyrrhizinate/cn
L7 FILE FREQUENCY TERM
E# -----
E1 REGISTRY 1 GLCYRRHIZIN-THIAMINE MIXT./CN
E2 REGISTRY 1 GLCYRRHIZIN-VITAMIN A MIXT./CN
E3 REGISTRY 0 --> GLCYRRHIZINIC ACID/CN
E4 REGISTRY 1 GLCYRRHIZINIC ACID/CN
E5 REGISTRY 1 GLCYRRHIZINIC ACID MONOMIUM SALT/CN
E6 REGISTRY 1 GLCYRRHIZINIC ACID DIPOTASSIUM SALT/CN
E7 REGISTRY 1 GLCYRRHIZINIC ACID DISODIUM SALT/CN
E8 REGISTRY 1 GLCYRRHIZINIC ACID HYDROLASE/CN
E9 REGISTRY 1 GLCYRRHIZINIC ACID MONO(THIETHANOLAMINE) SAL
T/CN
E10 REGISTRY 1 GLCYRRHIZINIC ACID-A-TOCOPHERYL RETINO
ACID SALT/CN
E11 REGISTRY 1 GLYDANILE/CN
E12 REGISTRY 1 GLYDANILE SODIUM/CN

=> s e6 1 "GLCYRRHIZINIC ACID DIPOTASSIUM SALT"/CN
L6

=> d 16 cn

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS ON STN
a-D-Glucopyranosiduronic acid, (3R,20R)-20-carboxy-11-oxo-
30-norolean-12-en-3-yl 2-O-ß-D-glucopyranuronosyl-, dipotassium salt
(OC1) [CA INDEX NAME]
OTHER CA INDEX NAMES:
CN 30-Noroleanane, a-D-glucopyranosiduronic acid deriv.

OTHER NAMES:

CN 18ß-Glycyrrhizic acid dipotassium salt
CN Dipotassium glycyrrhizate
CN Dipotassium glycyrrhizate
CN Glycyrrhizic acid dipotassium salt
CN Glycyrrhizic acid dipotassium salt
CN Glycyrrhizic acid dipotassium salt

=> e licorice root extract/cn
L7 FILE FREQUENCY TERM
E# -----
E1 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E2 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E3 REGISTRY 0 --> LICORICE ROOT EXTRACT/CN
E4 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E5 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E6 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E7 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E8 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E9 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E10 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E11 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E12 REGISTRY 1 LICORICE ROOT EXTRACT/CN

=> e licorice root extract/cn
L7 FILE FREQUENCY TERM
E# -----
E1 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E2 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E3 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E4 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E5 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E6 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E7 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E8 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E9 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E10 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E11 REGISTRY 1 LICORICE ROOT EXTRACT/CN
E12 REGISTRY 1 LICORICE ROOT EXTRACT/CN

=> s e3 1 "LICORICE ROOT EXTRACT"/CN
L7

=> d 17 cn

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS ON STN
CN Licorice, ext. [CA INDEX NAME]
OTHER CA INDEX NAMES:
CN Glycyrrhiza extract
CN Licorice root
CN Licorice root extract

=> DIS HIST

(FILE 'HOME' ENTERED AT 12:04:45 ON 25 AUG 2004)

FILE 'REGISTRY' ENTERED AT 12:05:03 ON 25 AUG 2004

L1 E 000153-18-4/RN
L2 E 000153-18-4/RN
L3 E 000153-18-4/RN
L4 E 000153-18-4/RN
L5 E 000153-18-4/RN
L6 E 000153-18-4/RN
L7 E 000153-18-4/RN
L8 E 000153-18-4/RN
L9 E 000153-18-4/RN
L10 E 000153-18-4/RN
L11 E 000153-18-4/RN
L12 E 000153-18-4/RN
L13 E 000153-18-4/RN
L14 E 000153-18-4/RN